



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: July 26, 2012

EPA Reg. No./File Symbol: 35935-92

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 830	GROUP A- PRODUCT IDENTITY, COMPOSITION & ANALYSIS				
830.1550	Product identity and composition	48424001	Nufarm Limited (035935)	Own	
830.1600	Description of materials used to produce the product	48424001	Nufarm Limited (035935)	Own	
830.1620	Description of production process	48424001	Nufarm Limited (035935)	Own	
830.1650	Description of formulation process	--	--	N/A	1
830.1670	Discussion of formation of impurities	48424001	Nufarm Limited (035935)	Own	
830.1700	Preliminary analysis	48424002	Nufarm Limited (035935)	Own	
830.1750	Certified limits	48424001	Nufarm Limited (035935)	Own	
830.1800	Enforcement analytical method	48424001	Nufarm Limited (035935)	Own	
830.1900	Submittal of samples	--	--	N/A	2
	GROUP B- PHYSICAL/CHEMICAL PROPERTIES				
830.6302	Color	48424003	Nufarm Limited (035935)	Own	
830.6303	Physical state	48424003	Nufarm Limited (035935)	Own	
830.6304	Odor	48424003	Nufarm Limited (035935)	Own	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	48424003	Nufarm Limited (035935)	Own	

Signature

Name and Title

Nathan P. Ehresman / Director, Regulatory Affairs

Date

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6th submission: Acceptable



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Ingredient: Fludioxonil (PC Code 71503)		

830.6314	Oxidation/reduction: chemical incompatibility	48424003	Nufarm Limited (035935)	Own	
830.6315	Flammability	--	--	N/A	3
830.6316	Explodability	--	--	N/A	4
830.6317	Storage stability	--	--	N/A	5
830.6319	Miscibility	--	--	N/A	6
830.6320	Corrosion characteristics	--	--	N/A	7
830.6321	Dielectric breakdown voltage	--	--	N/A	8
830.7000	pH	48424003	Nufarm Limited (035935)	Own	
830.7050	UV/Visible absorption	48424003	Nufarm Limited (035935)	Own	
830.7100	Viscosity	--	--	N/A	9
830.7200	Melting point/melting range	48424003	Nufarm Limited (035935)	Own	
830.7220	Boiling point/boiling range	--	--	N/A	10
830.7300	Density/relative density/bulk density	48424003	Nufarm Limited (035935)	Own	
830.7370	Dissociation constants in water	48424003	Nufarm Limited (035935)	Own	
830.7520	Particle size, fiber length, and diameter distribution	--	--	N/A	11
830.7550	Partition coefficient (n-octanol/water), shake flask method	--	--	N/A	12

Signature 	Name and Title Nathan P. Ehresman / Director, Regulatory Affairs	Date July 26, 2012
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.7560	Partition coefficient (n-octanol/water), generator column method	--	--	N/A	13
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	48424003	Nufarm Limited (035935)	Own	
830.7840	Water solubility: column elution method; shake flask method	48424003	Nufarm Limited (035935)	Own	
830.7860	Water solubility: generator column method	--	--	N/A	14
830.7950	Vapor pressure	--	--	N/A	15

Footnotes:

- 1 OPPTS 830.1650 Description of Formulation Process data are not required since Fludioxonil Technical is a technical grade active ingredient and is produced by an integrated process. 40 CFR § 158.310 (e) (3)
- 2 OPPTS 830.1900 Submittal of samples data is not required since a sample of Fludioxonil (PAI) has been provided by the Basic manufacturer. 40 CFR § 158.310 (e) (9.11)
- 3 OPPTS 830.6315 Flammability data are not required since Fludioxonil Technical contains no combustible liquids. 40 CFR § 158.310 (e) (14)
- 4 OPPTS 830.6316 Explodability data are not required as Fludioxonil Technical is not potentially explosive 40 CFR § 158.310 (e) (15)
- 5 OPPTS 830.6317 Storage Stability data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 6 OPPTS 830.6319 Miscibility data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 7 OPPTS 830.6320 Corrosion Characteristics data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 8 OPPTS 830.6321 Dielectric Breakdown Voltage data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 9 OPPTS 830.7100 Viscosity data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 10 OPPTS 830.7220 Boiling Point/Boiling Range data are not required as Fludioxonil Technical is not a liquid at room temperature. 40 CFR § 158.310 (e) (21)
- 11 OPPTS 830.7520 Particle size, Fiber Length, and Diameter Distribution data is not required as Fludioxonil Technical is not water insoluble or fibrous. 40 CFR § 158.310 (e) (14)
- 12 OPPTS 830.7550 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 13 OPPTS 830.7560 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 14 OPPTS 830.7860 Water solubility data is addressed using the shake flask method (OPPTS 830.7840)
- 15 OPPTS 830.7950 Vapor pressure data is not required. Fludioxonil Technical is a solid powder at room temperature and is documented to have low vapor pressure.

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Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 835	GROUP A- LABORATORY TRANSPORT				
835.1110 – 835.1410		CITE-ALL	–	PAY	
	GROUP B- LABORATORY ABIOTIC TRANSFORMATION				
835.2120 – 835.2410		CITE-ALL	–	PAY	
	GROUP C- LABORATORY BIOLOGICAL TRANSFORMATION				
835.3100 – 835.3420		CITE-ALL	–	PAY	
	GROUP D- TRANSFORMATION IN WATER AND SOIL				
835.4100 – 835.4300		CITE-ALL	–	PAY	
	GROUP F- TRANSFORMATION IN WATER AND SOIL				
835.6100		CITE-ALL	–	PAY	

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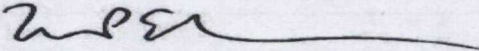
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Ingredient: Fludioxonil (PC Code 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 850	GROUP A- AQUATIC FAUNA				
850.1010 – 850.1950		CITE-ALL	--	PAY	
	GROUP B- TERRESTRIAL WILDLIFE				
850.2100 – 850.2500		CITE-ALL	--	PAY	
	GROUP C- BENEFICIAL INSECTS & INVERTEBRATES				
850.3020 – 850.3040		CITE-ALL	--	PAY	
	GROUP D- NONTARGET PLANTS				
850.4000 – 850.4800		CITE-ALL	--	PAY	
	GROUP E- TOXICITY TO MICROORGANISMS				
850.5100 – 850.5400		CITE-ALL	--	PAY	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 860	RESIDUE CHEMISTRY				
860.1300 / 171-4a	Nature of the Residue- Plants (Cereals-Rice)	43080050	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Cereals- Wheat)	43143301	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	43960410	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	44703537	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Cotton)	44554201 44554202	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Soybeans)	44554203	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Lettuce)	45821801	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Onions)	44926101	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4b	Nature of the Residue-Livestock (Chicken)	43470602 44382323	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock (Goat)	43470601	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock	43960413	SYNGENTA CROP PROTECTION (000100)	OLD	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340 / 171-4c	Residue Plant Method and Validation	43080051 43080052 43080054 43080055 43960411	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4c	Residue Plant Method and Validation	44554204	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1340 / 171-4d	Residue Animal Method and Validation	43960412	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Analytical Method (ILV)	43960414	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Animal Method and Validation	48526506 48526507	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1360 / 171-4m	Multiresidue Analytical Method	43080053	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	43690403	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	44554205	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1380 / 171-e	Storage Stability Data	44382332	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs)	43960415	SYNGENTA CROP PROTECTION (000100)	OLD	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs)	48526508	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Corn)	43124110	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Corn)	43960416			
860.1500 / 171-4k	Magnitude of the Residue RAC (Sorghum)	43124111	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Sorghum)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Potato)	43960417	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Potato)	43960418			
860.1500 / 171-4k	Magnitude of the Residue RAC (Cotton)	44490802	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Cotton)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Wheat)	44554206	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Wheat)	44715108			
860.1500 / 171-4k	Magnitude of the Residue RAC (Leaf lettuce)	44554207	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Pea)	44554208	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucumber)	44554209	SYNGENTA CROP PROTECTION (000100)	PAY	

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Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucurbits)	47161106	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Radish)	44554210 47161104	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bulb vegetables)	44615602	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Canola)	44703528	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Canola)	44703530			
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard)	44703529	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Mustard)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Barley)	44715105	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Barley)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Carrot)	45682301 45682401 47169310	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli)	45726001 45726101	IR-4 (959857)	PUBLIC	

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Ingredient: Fludioxonil (PC Code 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726002 45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Basil)	45795301 45795401	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Chives)	45795302 45795402	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cabbage)	45839801	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Head/Leaf Lettuce)	45945001 46006701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, snap)	46014701 46016701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, dry)	46014702 46016702	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, succulent shelled)	46014703 46016703	IR-4 (959857)	PUBLIC	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Yam)	46040103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cantaloupe)	46040104	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46196501	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46584601	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Tomato)	47161101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Parsley)	47161103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucurbits)	47161106	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweet potato)	47161108	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Brassica)	47169311	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweet corn, forage)	47705120	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Field corn, forage, grain, fodder)	47705122	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Pomegranate)	46162302	IR-4 (959857)	PUBLIC	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Oranges, Grapefruits)	46715501	SYNGENTA CROP PROTECTION (000100)	PAY	

Signature

Name and Title

Nathan P. Ehresman / Director, Regulatory Affairs

Date

July 26, 2012



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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500/171-4k	Magnitude of the Residue (Post harvest application lemons)	46715502	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Pomefruit)	46715503	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Kiwi fruit)	46715504	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Peach and Plum)	46715505	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Cherry)	46715506	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1850/165-1	Confined Accumulation in Rotational Crops	44198401	SYNGENTA CROP PROTECTION (000100)	PAY	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 870	GROUP A- ACUTE TOXICITY				
870.1100 – 870.2600		CITE-ALL	--	PAY	
	GROUP B- SUBCHRONIC TOXICITY				
870.3050 – 870.3800		CITE-ALL	--	PAY	
	GROUP C- CHRONIC TOXICITY				
870.4100 – 870.4300		CITE-ALL	--	PAY	
	GROUP D- GENETIC TOXICITY				
870.5100 – 870.5915		CITE-ALL	--	PAY	
	GROUP E- NEUROTOXICITY				
870.6100 – 870.6855		CITE-ALL	--	PAY	
	GROUP F- SPECIAL STUDIES				
870.7200 – 870.7800		CITE-ALL	--	PAY	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 875	GROUP A- APPLICATOR EXPOSURE MONITORING				
875.1100 – 875.1600		CITE-ALL	--	PAY	
	GROUP B- POSTAPPLICATION EXPOSURE MONITORING				
875.2100 – 875.2900		CITE-ALL	--	PAY	

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Nufarm Limited C/O Nufarm Americas Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527	Product: Fludioxonil Technical	
Ingredient: Fludioxonil (PC Code 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
LIST OF COMPANIES SENT OFFER TO PAY FOR USE OF CITE-ALL METHOD OF DATA SUPPORT					
		CITE-ALL	SYNGENTA CROP PROTECTION, INC. / 000100	PAY	
		CITE-ALL	WHITMIRE MICRO-GEN RESEARCH LABORATORIES, INC. / 000499	PAY	
		CITE-ALL	THE ANDERSONS LAWN FERTILIZER DIVISION, INC / 009198	PAY	
		CITE-ALL	PACE INTERNATIONAL LLC / 064864	PAY	
		CITE-ALL	SPRAY DRIFT TASK FORCE / 066607	OWN	1
		CITE-ALL	OUTDOOR RESIDENTIAL EXPOSURE TASK FORCE, L.L.C. / 071754	OWN	1
		CITE-ALL	AGRICULTURAL REENTRY TASK FORCE / 071755	OWN	1
		CITE-ALL	FIFRA ENDANGERED SPECIES TASK FORCE, L.L.C. / 073989	OWN	1
		CITE-ALL	AGRICULTURAL HANDLERS EXPOSURE TASK FORCE / 075234	OWN	1

FOOTNOTES:

- 1 Nufarm Limited is a member of this task force.

Signature 	Name and Title Nathan P. Ehresman / Director, Regulatory Affairs	Date July 26, 2012
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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 830	GROUP A- PRODUCT IDENTITY, COMPOSITION & ANALYSIS				
830.1550	Product identity and composition	48424001	Nufarm Limited (035935)	Own	
830.1600	Description of materials used to produce the product	48424001	Nufarm Limited (035935)	Own	
830.1620	Description of production process	48424001	Nufarm Limited (035935)	Own	
830.1650	Description of formulation process	--	--	N/A	1
830.1670	Discussion of formation of impurities	48424001	Nufarm Limited (035935)	Own	
830.1700	Preliminary analysis	48424002	Nufarm Limited (035935)	Own	
830.1750	Certified limits	48424001	Nufarm Limited (035935)	Own	
830.1800	Enforcement analytical method	48424001	Nufarm Limited (035935)	Own	
830.1900	Submittal of samples	--	--	N/A	2
	GROUP B- PHYSICAL/CHEMICAL PROPERTIES				
830.6302	Color	48424003	Nufarm Limited (035935)	Own	
830.6303	Physical state	48424003	Nufarm Limited (035935)	Own	
830.6304	Odor	48424003	Nufarm Limited (035935)	Own	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	48424003	Nufarm Limited (035935)	Own	

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5th submission: Not acceptable



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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.6314	Oxidation/reduction: chemical incompatibility	48424003	Nufarm Limited (035935)	Own	
830.6315	Flammability	--	--	N/A	3
830.6316	Explosibility	--	--	N/A	4
830.6317	Storage stability	--	--	N/A	5
830.6319	Miscibility	--	--	N/A	6
830.6320	Corrosion characteristics	--	--	N/A	7
830.6321	Dielectric breakdown voltage	--	--	N/A	8
830.7000	pH	48424003	Nufarm Limited (035935)	Own	
830.7050	UV/Visible absorption	48424003	Nufarm Limited (035935)	Own	
830.7100	Viscosity	--	--	N/A	9
830.7200	Melting point/melting range	48424003	Nufarm Limited (035935)	Own	
830.7220	Boiling point/boiling range	--	--	N/A	10
830.7300	Density/relative density/bulk density	48424003	Nufarm Limited (035935)	Own	
830.7370	Dissociation constants in water	48424003	Nufarm Limited (035935)	Own	
830.7520	Particle size, fiber length, and diameter distribution	--	--	N/A	11
830.7550	Partition coefficient (n-octanol/water), shake flask method	--	--	N/A	12

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.7560	Partition coefficient (n-octanol/water), generator column method	--	--	N/A	13
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	48424003	Nufarm Limited (035935)	Own	
830.7840	Water solubility: column elution method; shake flask method	48424003	Nufarm Limited (035935)	Own	
830.7860	Water solubility: generator column method	--	--	N/A	14
830.7950	Vapor pressure	--	--	N/A	15

Footnotes:

- 1 OPPTS 830.1650 Description of Formulation Process data are not required since Fludioxonil Technical is a technical grade active ingredient and is produced by an integrated process. 40 CFR § 158.310 (e) (3)
- 2 OPPTS 830.1900 Submittal of samples data is not required since a sample of Fludioxonil (PAI) has been provided by the Basic manufacturer. 40 CFR § 158.310 (e) (9.11)
- 3 OPPTS 830.6315 Flammability data are not required since Fludioxonil Technical contains no combustible liquids. 40 CFR § 158.310 (e) (14)
- 4 OPPTS 830.6316 Explodability data are not required as Fludioxonil Technical is not potentially explosive 40 CFR § 158.310 (e) (15)
- 5 OPPTS 830.6317 Storage Stability data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 6 OPPTS 830.6319 Miscibility data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 7 OPPTS 830.6320 Corrosion Characteristics data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 8 OPPTS 830.6321 Dielectric Breakdown Voltage data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 9 OPPTS 830.7100 Viscosity data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 10 OPPTS 830.7220 Boiling Point/Boiling Range data are not required as Fludioxonil Technical is not a liquid at room temperature. 40 CFR § 158.310 (e) (21)
- 11 OPPTS 830.7520 Particle size, Fiber Length, and Diameter Distribution data is not required as Fludioxonil Technical is not water insoluble or fibrous. 40 CFR § 158.310 (e) (14)
- 12 OPPTS 830.7550 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 13 OPPTS 830.7560 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 14 OPPTS 830.7860 Water solubility data is addressed using the shake flask method (OPPTS 830.7840)
- 15 OPPTS 830.7950 Vapor pressure data is not required. Fludioxonil Technical is a solid powder at room temperature and is documented to have low vapor pressure.

Signature

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Nufarm Limited C/O Nufarm Americas Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527	Product: Fludioxonil Technical	
Ingredient: Fludioxonil (PC Code 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 835	GROUP A- LABORATORY TRANSPORT				
835.1110 – 835.1410		CITE-ALL	–	PAY	
	GROUP B- LABORATORY ABIOTIC TRANSFORMATION				
835.2120 – 835.2410		CITE-ALL	–	PAY	
	GROUP C- LABORATORY BIOLOGICAL TRANSFORMATION				
835.3100 – 835.3420		CITE-ALL	–	PAY	
	GROUP D- TRANSFORMATION IN WATER AND SOIL				
835.4100 – 835.4300		CITE-ALL	–	PAY	
	GROUP F- TRANSFORMATION IN WATER AND SOIL				
835.6100		CITE-ALL	–	PAY	

Signature 	Name and Title Nathan P. Ehresman / Director, Regulatory Affairs	Date July 26, 2012
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C/O Nufarm Americas Inc.
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Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 850	GROUP A- AQUATIC FAUNA				
850.1010 – 850.1950		CITE-ALL	--	PAY	
	GROUP B- TERRESTRIAL WILDLIFE				
850.2100 – 850.2500		CITE-ALL	--	PAY	
	GROUP C- BENEFICIAL INSECTS & INVERTEBRATES				
850.3020 – 850.3040		CITE-ALL	--	PAY	
	GROUP D- NONTARGET PLANTS				
850.4000 – 850.4800		CITE-ALL	--	PAY	
	GROUP E- TOXICITY TO MICROORGANISMS				
850.5100 – 850.5400		CITE-ALL	--	PAY	

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Nufarm Limited
C/O Nufarm Americas Inc.
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 860	RESIDUE CHEMISTRY				
860.1300 / 171-4a	Nature of the Residue- Plants (Cereals-Rice)	43080050	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Cereals- Wheat)	43143301	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	43960410	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	44703537	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Cotton)	44554201 44554202	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Soybeans)	44554203	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Lettuce)	45821801	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Onions)	44926101	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4b	Nature of the Residue-Livestock (Chicken)	43470602 44382323	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock (Goat)	43470601	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock	43960413	SYNGENTA CROP PROTECTION (000100)	OLD	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340 / 171-4c	Residue Plant Method and Validation	43080051 43080052 43080054 43080055 43960411	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4c	Residue Plant Method and Validation	44554204	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1340 / 171-4d	Residue Animal Method and Validation	43960412	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Analytical Method (ILV)	43960414	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Animal Method and Validation	48526506 48526507	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1360 / 171-4m	Multiresidue Analytical Method	43080053	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	43690403	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	44554205	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1380 / 171-e	Storage Stability Data	44382332	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs)	43960415	SYNGENTA CROP PROTECTION (000100)	OLD	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs)	48526508	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Corn)	43124110	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Corn)	43960416			
860.1500 / 171-4k	Magnitude of the Residue RAC (Sorghum)	43124111	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Sorghum)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Potato)	43960417	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Potato)	43960418			
860.1500 / 171-4k	Magnitude of the Residue RAC (Cotton)	44490802	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Cotton)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Wheat)	44554206	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Wheat)	44715108			
860.1500 / 171-4k	Magnitude of the Residue RAC (Leaf lettuce)	44554207	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Pea)	44554208	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucumber)	44554209	SYNGENTA CROP PROTECTION (000100)	PAY	

Signature

Name and Title

Nathan P. Ehresman / Director, Regulatory Affairs

Date

July 26, 2012



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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucurbits)	47161106	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Radish)	44554210 47161104	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bulb vegetables)	44615602	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Canola)	44703528	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Canola)	44703530			
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard)	44703529	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Mustard)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Barley)	44715105	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Barley)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Carrot)	45682301 45682401 47169310	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli)	45726001 45726101	IR-4 (959857)	PUBLIC	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726002 45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Basil)	45795301 45795401	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Chives)	45795302 45795402	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cabbage)	45839801	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Head/Leaf Lettuce)	45945001 46006701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, snap)	46014701 46016701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, dry)	46014702 46016702	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, succulent shelled)	46014703 46016703	IR-4 (959857)	PUBLIC	

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Yam)	46040103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cantaloupe)	46040104	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46196501	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46584601	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Tomato)	47161101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Parsley)	47161103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucurbits)	47161106	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweet potato)	47161108	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Brassica)	47169311	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweet corn, forage)	47705120	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Field corn, forage, grain, fodder)	47705122	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Pomegranate)	46162302	IR-4 (959857)	PUBLIC	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Oranges, Grapefruits)	46715501	SYNGENTA CROP PROTECTION (000100)	PAY	

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Nufarm Limited
C/O Nufarm Americas Inc.
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500/171-4k	Magnitude of the Residue (Post harvest application lemons)	46715502	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Pomefruit)	46715503	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Kiwi fruit)	46715504	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Peach and Plum)	46715505	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Cherry)	46715506	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1850/165-1	Confined Accumulation in Rotational Crops	44198401	SYNGENTA CROP PROTECTION (000100)	PAY	

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Nufarm Limited
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 870	GROUP A- ACUTE TOXICITY				
870.1100 – 870.2600		CITE-ALL	--	PAY	
	GROUP B- SUBCHRONIC TOXICITY				
870.3050 – 870.3800		CITE-ALL	--	PAY	
	GROUP C- CHRONIC TOXICITY				
870.4100 – 870.4300		CITE-ALL	--	PAY	
	GROUP D- GENETIC TOXICITY				
870.5100 – 870.5915		CITE-ALL	--	PAY	
	GROUP E- NEUROTOXICITY				
870.6100 – 870.6855		CITE-ALL	--	PAY	
	GROUP F- SPECIAL STUDIES				
870.7200 – 870.7800		CITE-ALL	--	PAY	

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Nufarm Limited
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 875	GROUP A- APPLICATOR EXPOSURE MONITORING				
875.1100 – 875.1600		CITE-ALL	--	PAY	
	GROUP B- POSTAPPLICATION EXPOSURE MONITORING				
875.2100 – 875.2900		CITE-ALL	--	PAY	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
LIST OF COMPANIES SENT OFFER TO PAY FOR USE OF CITE-ALL METHOD OF DATA SUPPORT					
		CITE-ALL	SYNGENTA CROP PROTECTION, INC. / 000100	PAY	
		CITE-ALL	OUTDOOR RESIDENTIAL EXPOSURE TASK FORCE, L.L.C. / 071754	OWN	1
		CITE-ALL	WHITMIRE MICRO-GEN RESEARCH LABORATORIES, INC. / 000499	PAY	
		CITE-ALL	FIFRA ENDANGERED SPECIES TASK FORCE, L.L.C. / 073989	OWN	1
		CITE-ALL	AGRICULTURAL REENTRY TASK FORCE / 071755	OWN	1
		CITE-ALL	AGRICULTURAL HANDLERS EXPOSURE TASK FORCE / 075234	OWN	1
		CITE-ALL	SPRAY DRIFT TASK FORCE / 066607	OWN	1

FOOTNOTES:

- 1 Nufarm Limited is a member of this task force.

Signature

Name and Title

Nathan P. Ehresman / Director, Regulatory Affairs

Date

July 26, 2012



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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 830	GROUP A- PRODUCT IDENTITY, COMPOSITION & ANALYSIS				
830.1550	Product identity and composition	This submission	Nufarm Limited (035935)	Own	
830.1600	Description of materials used to produce the product	This submission	Nufarm Limited (035935)	Own	
830.1620	Description of production process	This submission	Nufarm Limited (035935)	Own	
830.1650	Description of formulation process	--	--	N/A	1
830.1670	Discussion of formation of impurities	This submission	Nufarm Limited (035935)	Own	
830.1700	Preliminary analysis	This submission	Nufarm Limited (035935)	Own	
830.1750	Certified limits	This submission	Nufarm Limited (035935)	Own	
830.1800	Enforcement analytical method	This submission	Nufarm Limited (035935)	Own	
830.1900	Submittal of samples	--	--	N/A	2
	GROUP B- PHYSICAL/CHEMICAL PROPERTIES				
830.6302	Color	This submission	Nufarm Limited (035935)	Own	
830.6303	Physical state	This submission	Nufarm Limited (035935)	Own	
830.6304	Odor	This submission	Nufarm Limited (035935)	Own	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	This submission	Nufarm Limited (035935)	Own	

Signature

Name and Title

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4th Submission: Not Acceptable



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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.6314	Oxidation/reduction: chemical incompatibility	This submission	Nufarm Limited (035935)	Own	
830.6315	Flammability	--	--	N/A	3
830.6316	Explosibility	--	--	N/A	4
830.6317	Storage stability	--	--	N/A	5
830.6319	Miscibility	--	--	N/A	6
830.6320	Corrosion characteristics	--	--	N/A	7
830.6321	Dielectric breakdown voltage	--	--	N/A	8
830.7000	pH	This submission	Nufarm Limited (035935)	Own	
830.7050	UV/Visible absorption	This submission	Nufarm Limited (035935)	Own	
830.7100	Viscosity	--	--	N/A	9
830.7200	Melting point/melting range	This submission	Nufarm Limited (035935)	Own	
830.7220	Boiling point/boiling range	--	--	N/A	10
830.7300	Density/relative density/bulk density	This submission	Nufarm Limited (035935)	Own	
830.7370	Dissociation constants in water	This submission	Nufarm Limited (035935)	Own	
830.7520	Particle size, fiber length, and diameter distribution	--	--	N/A	11
830.7550	Partition coefficient (n-octanol/water), shake flask method	--	--	N/A	12

Signature

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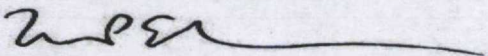
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Nufarm Limited C/O Nufarm Americas Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527	Product: Fludioxonil Technical	
Ingredient: Fludioxonil (PC Code 71503)		

830.7560	Partition coefficient (n-octanol/water), generator column method	--	--	N/A	13
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	This submission	Nufarm Limited (035935)	Own	
830.7840	Water solubility: column elution method; shake flask method	This submission	Nufarm Limited (035935)	Own	
830.7860	Water solubility: generator column method	--	--	N/A	14
830.7950	Vapor pressure		Nufarm Limited (035935)	Own	

Footnotes:

- 1 OPPTS 830.1650 Description of Formulation Process data are not required since Fludioxonil Technical is a technical grade active ingredient and is produced by an integrated process. 40 CFR § 158.310 (e) (3)
- 2 OPPTS 830.1900 Submittal of samples data is not required since a sample of Fludioxonil (PAI) has been provided by the Basic manufacturer. 40 CFR § 158.310 (e) (9.11)
- 3 OPPTS 830.6315 Flammability data are not required since Fludioxonil Technical contains no combustible liquids. 40 CFR § 158.310 (e) (14)
- 4 OPPTS 830.6316 Explodability data are not required as Fludioxonil Technical is not potentially explosive 40 CFR § 158.310 (e) (15)
- 5 OPPTS 830.6317 Storage Stability data are not required as Fludioxonil Technical is a TGAI. 40 CFR § 158.310 (e)
- 6 OPPTS 830.6319 Miscibility data are not required as Fludioxonil Technical is a TGAI. 40 CFR § 158.310 (e)
- 7 OPPTS 830.6320 Corrosion Characteristics data are not required as Fludioxonil Technical is a TGAI. 40 CFR § 158.310 (e)
- 8 OPPTS 830.6321 Dielectric Breakdown Voltage data are not required as Fludioxonil Technical is a TGAI. 40 CFR § 158.310 (e)
- 9 OPPTS 830.7100 Viscosity data are not required as Fludioxonil Technical is a TGAI. 40 CFR § 158.310 (e)
- 10 OPPTS 830.7220 Boiling Point/Boiling Range data are not required as Fludioxonil Technical is not a liquid at room temperature. 40 CFR § 158.310 (e) (21)
- 11 OPPTS 830.7520 Particle size, Fiber Length, and Diameter Distribution data is not required as Fludioxonil Technical is not water insoluble or fibrous. 40 CFR § 158.310 (e) (14)
- 12 OPPTS 830.7550 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 13 OPPTS 830.7560 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 14 OPPTS 830.7860 Water solubility data is addressed using the shake flask method (OPPTS 830.7840)
- 15 OPPTS 830.7950 Vapor pressure data is not required. Fludioxonil Technical is a solid powder at room temperature and is documented to have low vapor pressure.

Signature 	Name and Title Nathan P. Ehresman / Director, Regulatory Affairs	Date July 20, 2012
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Ingredient: Fludioxonil (PC Code 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 835	GROUP A- LABORATORY TRANSPORT				
835.1110 – 835.1410		CITE-ALL	–	PAY	
	GROUP B- LABORATORY ABIOTIC TRANSFORMATION				
835.2120 – 835.2410		CITE-ALL	–	PAY	
	GROUP C- LABORATORY BIOLOGICAL TRANSFORMATION				
835.3100 – 835.3420		CITE-ALL	–	PAY	
	GROUP D- TRANSFORMATION IN WATER AND SOIL				
835.4100 – 835.4300		CITE-ALL	–	PAY	
	GROUP F- TRANSFORMATION IN WATER AND SOIL				
835.6100		CITE-ALL	–	PAY	

Signature 	Name and Title Nathan P. Ehresman / Director, Regulatory Affairs	Date July 20, 2012
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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 850	GROUP A- AQUATIC FAUNA				
850.1010 – 850.1950		CITE-ALL	--	PAY	
	GROUP B- TERRESTRIAL WILDLIFE				
850.2100 – 850.2500		CITE-ALL	--	PAY	
	GROUP C- BENEFICIAL INSECTS & INVERTEBRATES				
850.3020 – 850.3040		CITE-ALL	--	PAY	
	GROUP D- NONTARGET PLANTS				
850.4000 – 850.4800		CITE-ALL	--	PAY	
	GROUP E- TOXICITY TO MICROORGANISMS				
850.5100 – 850.5400		CITE-ALL	--	PAY	

Signature

Name and Title

Nathan P. Ehresman / Director, Regulatory Affairs

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 860	RESIDUE CHEMISTRY				
860.1300 / 171-4a	Nature of the Residue- Plants (Cereals-Rice)	43080050	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Cereals- Wheat)	43143301	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	43960410	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	44703537	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Cotton)	44554201 44554202	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Soybeans)	44554203	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Lettuce)	45821801	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Onions)	44926101	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4b	Nature of the Residue-Livestock (Chicken)	43470602 44382323	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock (Goat)	43470601	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock	43960413	SYNGENTA CROP PROTECTION (000100)	OLD	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340 / 171-4c	Residue Plant Method and Validation	43080051 43080052 43080054 43080055 43960411	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4c	Residue Plant Method and Validation	44554204	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1340 / 171-4d	Residue Animal Method and Validation	43960412	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Analytical Method (ILV)	43960414	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Animal Method and Validation	48526506 48526507	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1360 / 171-4m	Multiresidue Analytical Method	43080053	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	43690403	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	44554205	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1380 / 171-e	Storage Stability Data	44382332	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs)	43960415	SYNGENTA CROP PROTECTION (000100)	OLD	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs)	48526508	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Corn)	43124110	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Corn)	43960416			
860.1500 / 171-4k	Magnitude of the Residue RAC (Sorghum)	43124111	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Sorghum)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Potato)	43960417	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Potato)	43960418			
860.1500 / 171-4k	Magnitude of the Residue RAC (Cotton)	44490802	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Cotton)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Wheat)	44554206	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Wheat)	44715108			
860.1500 / 171-4k	Magnitude of the Residue RAC (Leaf lettuce)	44554207	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Pea)	44554208	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucumber)	44554209	SYNGENTA CROP PROTECTION (000100)	PAY	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucurbits)	47161106	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Radish)	44554210 47161104	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bulb vegetables)	44615602	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Canola)	44703528	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Canola)	44703530			
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard)	44703529	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Mustard)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Barley)	44715105	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Barley)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Carrot)	45682301 45682401 47169310	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli)	45726001	IR-4 (959857)	PUBLIC	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726002 45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli)	45726001 45726101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Basil)	45795301 45795401	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Chives)	45795302 45795402	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cabbage)	45839801	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Head/Leaf Lettuce)	45945001 46006701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, snap)	46014701 46016701	IR-4 (959857)	PUBLIC	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, dry)	46014702 46016702	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, succulent shelled)	46014703 46016703	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Yam)	46040103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cantaloupe)	46040104	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46196501	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46584601	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Tomato)	47161101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Parsley)	47161103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucurbits)	47161106	IR-4 (959857) Syngenta	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweetpotato) <i>OK</i>	47161108	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Brassica)	47169311	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweet corn, forage)	47705120	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Field corn, forage, grain, fodder)	47705122	SYNGENTA CROP PROTECTION (000100)	PAY	

Signature

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500/171-4k	Magnitude of the Residue (Post harvest application Oranges, Grapefruits)	46715501	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application lemons)	46715502	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Pomefruit)	46715503	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Kiwi fruit)	46715504	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Peach and Plum)	46715505	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Cherry)	46715506	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1850/165-1	Confined Accumulation in Rotational Crops	44198401	SYNGENTA CROP PROTECTION (000100)	PAY	

Signature

Name and Title

Nathan P. Ehresman / Director, Regulatory Affairs

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Nufarm Limited
C/O Nufarm Americas Inc.
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 870	GROUP A- ACUTE TOXICITY				
870.1100 830.2600		CITE-ALL	--	PAY	
870.2600	GROUP B- SUBCHRONIC TOXICITY				
870.3050 - 870.3800		CITE-ALL	--	PAY	
	GROUP C- CHRONIC TOXICITY				
✓ 870.4100 - 870.4300		CITE-ALL	--	PAY	
	GROUP D- GENETIC TOXICITY				
870.5100 - 870.5915		CITE-ALL	--	PAY	
	GROUP E- NEUROTOXICITY				
870.6100-870.6855		CITE-ALL	--	PAY	
	GROUP F- SPECIAL STUDIES				
870.7485 870.7600		CITE-ALL	--	PAY	

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 875	GROUP A- APPLICATOR EXPOSURE MONITORING				
875.1100 – 875.1600		CITE-ALL	--	PAY	
	GROUP B- POSTAPPLICATION EXPOSURE MONITORING				
875.2100 – 875.2900		CITE-ALL	--	PAY	

Signature

Name and Title

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Nufarm Limited
C/O Nufarm Americas Inc.
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
LIST OF COMPANIES SENT OFFER TO PAY FOR USE OF CITE-ALL METHOD OF DATA SUPPORT					
		CITE-ALL	SYNGENTA CROP PROTECTION, INC. / 000100	PAY	
		CITE-ALL	OUTDOOR RESIDENTIAL EXPOSURE TASK FORCE, L.L.C. / 071754	OWN	1
		CITE-ALL	WHITMIRE MICRO-GEN RESEARCH LABORATORIES, INC. / 000499	PAY	
		CITE-ALL	FIFRA ENDANGERED SPECIES TASK FORCE, L.L.C. / 073989	OWN	1
		CITE-ALL	AGRICULTURAL REENTRY TASK FORCE / 071755	OWN	1
		CITE-ALL	AGRICULTURAL HANDLERS EXPOSURE TASK FORCE / 075234	OWN	1
		CITE-ALL	SPRAY DRIFT TASK FORCE / 066607	OWN	1

FOOTNOTES:

1 Nufarm Limited is a member of this task force.

Signature

Name and Title

Nathan P. Ehresman / Director, Regulatory Affairs

Date

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C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 830	GROUP A- PRODUCT IDENTITY, COMPOSITION & ANALYSIS				
830.1550	Product identity and composition	48424001	Nufarm Limited (035935)	Own	
830.1600	Description of materials used to produce the product	48424001	Nufarm Limited (035935)	Own	
830.1620	Description of production process	48424001	Nufarm Limited (035935)	Own	
830.1650	Description of formulation process	--	--	N/A	1
830.1670	Discussion of formation of impurities	48424001	Nufarm Limited (035935)	Own	
830.1700	Preliminary analysis	48424002	Nufarm Limited (035935)	Own	
830.1750	Certified limits	48424001	Nufarm Limited (035935)	Own	
830.1800	Enforcement analytical method	48424001	Nufarm Limited (035935)	Own	
830.1900	Submittal of samples	--	--	N/A	2
	GROUP B- PHYSICAL/CHEMICAL PROPERTIES				
830.6302	Color	48424003	Nufarm Limited (035935)	Own	
830.6303	Physical state	48424003	Nufarm Limited (035935)	Own	
830.6304	Odor	48424003	Nufarm Limited (035935)	Own	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	48424003	Nufarm Limited (035935)	Own	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

February 14, 2012

Not Acceptable

3rd submission



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C/O Nufarm Americas Inc.
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Ingredient: Fludioxonil (PC Code 71503)

830.6314	Oxidation/reduction: chemical incompatibility	48424003	Nufarm Limited (035935)	Own	
830.6315	Flammability	--	--	N/A	3
830.6316	Explosibility	--	--	N/A	4
830.6317	Storage stability	--	--	N/A	5
830.6319	Miscibility	--	--	N/A	6
830.6320	Corrosion characteristics	--	--	N/A	7
830.6321	Dielectric breakdown voltage	--	--	N/A	8
830.7000	pH	48424003	Nufarm Limited (035935)	Own	
830.7050	UV/Visible absorption	48424003	Nufarm Limited (035935)	Own	
830.7100	Viscosity	--	--	N/A	9
830.7200	Melting point/melting range	48424003	Nufarm Limited (035935)	Own	
830.7220	Boiling point/boiling range	--	--	N/A	10
830.7300	Density/relative density/bulk density	48424003	Nufarm Limited (035935)	Own	
830.7370	Dissociation constants in water	48424003	Nufarm Limited (035935)	Own	
830.7520	Particle size, fiber length, and diameter distribution	--	--	N/A	11
830.7550	Partition coefficient (n-octanol/water), shake flask method	--	--	N/A	12

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

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Nufarm Limited C/O Nufarm Americas Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527	Product: Fludioxonil Technical	
Ingredient: Fludioxonil (PC Code 71503)		

830.7560	Partition coefficient (n-octanol/water), generator column method	--	--	N/A	13
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	48424003	Nufarm Limited (035935)	Own	
830.7840	Water solubility: column elution method; shake flask method	48424003	Nufarm Limited (035935)	Own	
830.7860	Water solubility: generator column method	--	--	N/A	14
830.7950	Vapor pressure	--	--	N/A	15

Footnotes:

- 1 OPPTS 830.1650 Description of Formulation Process data are not required since Fludioxonil Technical is a technical grade active ingredient and is produced by an integrated process. 40 CFR § 158.310 (e) (3)
- 2 OPPTS 830.1900 Submittal of samples data is not required since a sample of Fludioxonil (PAI) has been provided by the Basic manufacturer. 40 CFR § 158.310 (e) (9.11)
- 3 OPPTS 830.6315 Flammability data are not required since Fludioxonil Technical contains no combustible liquids. 40 CFR § 158.310 (e) (14)
- 4 OPPTS 830.6316 Explodability data are not required as Fludioxonil Technical is not potentially explosive 40 CFR § 158.310 (e) (15)
- 5 OPPTS 830.6317 Storage Stability data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 6 OPPTS 830.6319 Miscibility data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 7 OPPTS 830.6320 Corrosion Characteristics data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 8 OPPTS 830.6321 Dielectric Breakdown Voltage data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 9 OPPTS 830.7100 Viscosity data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 10 OPPTS 830.7220 Boiling Point/Boiling Range data are not required as Fludioxonil Technical is not a liquid at room temperature. 40 CFR § 158.310 (e) (21)
- 11 OPPTS 830.7520 Particle size, Fiber Length, and Diameter Distribution data is not required as Fludioxonil Technical is not water insoluble or fibrous. 40 CFR § 158.310 (e) (14)
- 12 OPPTS 830.7550 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 13 OPPTS 830.7560 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 14 OPPTS 830.7860 Water solubility data is addressed using the shake flask method (OPPTS 830.7840)
- 15 OPPTS 830.7950 Vapor pressure data is not required. Fludioxonil Technical is a solid powder at room temperature and is documented to have low vapor pressure.

Signature 	Name and Title Nathan P. Ehresman / Product Registration Manager	Date February 14, 2012
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 835	GROUP A- LABORATORY TRANSPORT				
835.1110 – 835.1410		CITE-ALL	–	PAY	
	GROUP B- LABORATORY ABIOTIC TRANSFORMATION				
835.2120 – 835.2410		CITE-ALL	–	PAY	
	GROUP C- LABORATORY BIOLOGICAL TRANSFORMATION				
835.3100 – 835.3420		CITE-ALL	–	PAY	
	GROUP D- TRANSFORMATION IN WATER AND SOIL				
835.4100 – 835.4300		CITE-ALL	–	PAY	
	GROUP F- TRANSFORMATION IN WATER AND SOIL				
835.6100		CITE-ALL	–	PAY	

Signature

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C/O Nufarm Americas Inc.
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 850	GROUP A- AQUATIC FAUNA				
850.1010 – 850.1950		CITE-ALL	--	PAY	
	GROUP B- TERRESTRIAL WILDLIFE				
850.2100 – 850.2500		CITE-ALL	--	PAY	
	GROUP C- BENEFICIAL INSECTS & INVERTEBRATES				
850.3020 – 850.3040		CITE-ALL	--	PAY	
	GROUP D- NONTARGET PLANTS				
850.4000 – 850.4800		CITE-ALL	--	PAY	
	GROUP E- TOXICITY TO MICROORGANISMS				
850.5100 – 850.5400		CITE-ALL	--	PAY	

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 860	RESIDUE CHEMISTRY				
860.1300 / 171-4a	Nature of the Residue- Plants (Cereals-Rice)	43080050	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Cereals- Wheat)	43143301	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	43960410	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	44703537	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Cotton)	44554201 44554202	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Soybeans)	44554203	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Lettuce)	45821801	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Onions)	44926101	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4b	Nature of the Residue-Livestock (Chicken)	43470602 44382323	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock (Goat)	43470601	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock	43960413	SYNGENTA CROP PROTECTION (000100)	OLD	

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C/O Nufarm Americas Inc.
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340 / 171-4c	Residue Plant Method and Validation	43080051 43080052 43080054 43080055 43960411	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4c	Residue Plant Method and Validation	44554204	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1340 / 171-4d	Residue Animal Method and Validation	43960412	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Analytical Method (ILV)	43960414	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Animal Method and Validation	48526506 48526507	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1360 / 171-4m	Multiresidue Analytical Method	43080053	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	43690403	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	44554205	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1380 / 171-e	Storage Stability Data	44382332	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs)	43960415	SYNGENTA CROP PROTECTION (000100)	OLD	

Signature

Name and Title

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs)	48526508	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Corn)	43124110	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Corn)	43960416			
860.1500 / 171-4k	Magnitude of the Residue RAC (Sorghum)	43124111	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Sorghum)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Potato)	43960417	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Potato)	43960418			
860.1500 / 171-4k	Magnitude of the Residue RAC (Cotton)	44490802	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Cotton)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Wheat)	44554206	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Wheat)	44715108			
860.1500 / 171-4k	Magnitude of the Residue RAC (Leaf lettuce)	44554207	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Pea)	44554208	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucumber)	44554209	SYNGENTA CROP PROTECTION (000100)	PAY	

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Radish)	44554210 47161104	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bulb vegetables)	44615602	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Canola)	44703528	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Canola)	44703530			
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard)	44703529	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Mustard)	44715105	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Barley)				
860.1520 / 171-4l	Magnitude of the Residue PF (Barley)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Carrot)	45682301 45682401 47169310	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli)	45726001 45726101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726002 45726102	IR-4 (959857)	PUBLIC	

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Basil)	45795301 45795401	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Chives)	45795302 45795402	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cabbage)	45839801	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Head/Leaf Lettuce)	45945001 46006701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, snap)	46014701 46016701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, dry)	46014702 46016702	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, succulent shelled)	46014703 46016703	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Yam)	46040103	IR-4 (959857)	PUBLIC	

Signature

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Cantaloupe)	46040104	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46196501	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46584601	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Tomato)	47161101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Parsley)	47161103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucurbits)	47161106	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweet potato)	47161108	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Brassica)	47169311	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweet corn, forage)	47705120	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Field corn, forage, grain, fodder)	47705122	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Pomegranate)	46162302	IR-4 (959857)	PUBLIC	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Oranges, Grapefruits)	46715501	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application lemons)	46715502	SYNGENTA CROP PROTECTION (000100)	PAY	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

February 14, 2012



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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DATA MATRIX

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500/171-4k	Magnitude of the Residue (Post harvest application Pomefruit)	46715503	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Kiwi fruit)	46715504	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Peach and Plum)	46715505	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Cherry)	46715506	SYNGENTA CROP PROTECTION (000100)	PAY	

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Nathan P. Ehresman / Product Registration Manager

Date

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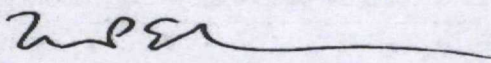
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Nufarm Limited C/O Nufarm Americas Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527	Product: Fludioxonil Technical	
Ingredient: Fludioxonil (PC Code 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 870	GROUP A- ACUTE TOXICITY				
870.1100 – 830.2600		CITE-ALL	--	PAY	
	GROUP B- SUBCHRONIC TOXICITY				
870.3050 – 870.3800		CITE-ALL	--	PAY	
	GROUP C- CHRONIC TOXICITY				
870.4100 – 870.4300		CITE-ALL	--	PAY	
	GROUP D- GENETIC TOXICITY				
870.5100 – 870.5915		CITE-ALL	--	PAY	
	GROUP E- NEUROTOXICITY				
870.6100-870.6855		CITE-ALL	--	PAY	
	GROUP F- SPECIAL STUDIES				
870.7485		CITE-ALL	--	PAY	

Signature 	Name and Title Nathan P. Ehresman / Product Registration Manager	Date February 14, 2012
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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 875	GROUP A- APPLICATOR EXPOSURE MONITORING				
875.1100 – 875.1600		CITE-ALL	--	PAY	
	GROUP B- POSTAPPLICATION EXPOSURE MONITORING				
875.2100 – 875.2900		CITE-ALL	--	PAY	

Signature

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Nathan P. Ehresman / Product Registration Manager

Date

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Nufarm Limited C/O Nufarm Americas Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527	Product: Fludioxonil Technical	
Ingredient: Fludioxonil (PC Code 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
LIST OF COMPANIES SENT OFFER TO PAY FOR USE OF CITE-ALL METHOD OF DATA SUPPORT					
		CITE-ALL	SYNGENTA CROP PROTECTION, INC. / 000100	PAY	
		CITE-ALL	OUTDOOR RESIDENTIAL EXPOSURE TASK FORCE, L.L.C. / 071754	OWN	1
		CITE-ALL	WHITMIRE MICRO-GEN RESEARCH LABORATORIES, INC. / 000499	PAY	
		CITE-ALL	FIFRA ENDANGERED SPECIES TASK FORCE, L.L.C. / 073989	OWN	1
		CITE-ALL	AGRICULTURAL REENTRY TASK FORCE / 071755	OWN	1
		CITE-ALL	AGRICULTURAL HANDLERS EXPOSURE TASK FORCE / 075234	OWN	1
		CITE-ALL	SPRAY DRIFT TASK FORCE / 066607	OWN	1

FOOTNOTES:

- 1 Nufarm Limited is a member of this task force.

Signature 	Name and Title Nathan P. Ehresman / Product Registration Manager	Date February 14, 2012
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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 830	GROUP A- PRODUCT IDENTITY, COMPOSITION & ANALYSIS				
830.1550	Product identity and composition	48424001	Nufarm Limited (035935)	Own	
830.1600	Description of materials used to produce the product	48424001	Nufarm Limited (035935)	Own	
830.1620	Description of production process	48424001	Nufarm Limited (035935)	Own	
830.1650	Description of formulation process	--	--	N/A	1
830.1670	Discussion of formation of impurities	48424001	Nufarm Limited (035935)	Own	
830.1700	Preliminary analysis	48424002	Nufarm Limited (035935)	Own	
830.1750	Certified limits	48424001	Nufarm Limited (035935)	Own	
830.1800	Enforcement analytical method	48424001	Nufarm Limited (035935)	Own	
830.1900	Submittal of samples	--	--	N/A	2
	GROUP B- PHYSICAL/CHEMICAL PROPERTIES				
830.6302	Color	48424003	Nufarm Limited (035935)	Own	
830.6303	Physical state	48424003	Nufarm Limited (035935)	Own	
830.6304	Odor	48424003	Nufarm Limited (035935)	Own	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	48424003	Nufarm Limited (035935)	Own	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

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Not Acceptable

2nd submission



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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.6314	Oxidation/reduction: chemical incompatibility	48424003	Nufarm Limited (035935)	Own	
830.6315	Flammability	--	--	N/A	3
830.6316	Explosibility	--	--	N/A	4
830.6317	Storage stability	--	--	N/A	5
830.6319	Miscibility	--	--	N/A	6
830.6320	Corrosion characteristics	--	--	N/A	7
830.6321	Dielectric breakdown voltage	--	--	N/A	8
830.7000	pH	48424003	Nufarm Limited (035935)	Own	
830.7050	UV/Visible absorption	48424003	Nufarm Limited (035935)	Own	
830.7100	Viscosity	--	--	N/A	9
830.7200	Melting point/melting range	48424003	Nufarm Limited (035935)	Own	
830.7220	Boiling point/boiling range	--	--	N/A	10
830.7300	Density/relative density/bulk density	48424003	Nufarm Limited (035935)	Own	
830.7370	Dissociation constants in water	48424003	Nufarm Limited (035935)	Own	
830.7520	Particle size, fiber length, and diameter distribution	--	--	N/A	11
830.7550	Partition coefficient (n-octanol/water), shake flask method	--	--	N/A	12

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.7560	Partition coefficient (n-octanol/water), generator column method	--	--	N/A	13
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	48424003	Nufarm Limited (035935)	Own	
830.7840	Water solubility: column elution method; shake flask method	48424003	Nufarm Limited (035935)	Own	
830.7860	Water solubility: generator column method	--	--	N/A	14
830.7950	Vapor pressure	48424003	Nufarm Limited (035935)	Own	15

Footnotes:

- 1 OPPTS 830.1650 Description of Formulation Process data are not required since Fludioxonil Technical is a technical grade active ingredient and is produced by an integrated process. 40 CFR § 158.310 (e) (3)
- 2 OPPTS 830.1900 Submittal of samples data is not required since a sample of Fludioxonil (PAI) has been provided by the Basic manufacturer. 40 CFR § 158.310 (e) (9.11)
- 3 OPPTS 830.6315 Flammability data are not required since Fludioxonil Technical contains no combustible liquids. 40 CFR § 158.310 (e) (14)
- 4 OPPTS 830.6316 Explodability data are not required as Fludioxonil Technical is not potentially explosive 40 CFR § 158.310 (e) (15)
- 5 OPPTS 830.6317 Storage Stability data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 6 OPPTS 830.6319 Miscibility data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 7 OPPTS 830.6320 Corrosion Characteristics data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 8 OPPTS 830.6321 Dielectric Breakdown Voltage data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 9 OPPTS 830.7100 Viscosity data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 10 OPPTS 830.7220 Boiling Point/Boiling Range data are not required as Fludioxonil Technical is not a liquid at room temperature. 40 CFR § 158.310 (e) (21)
- 11 OPPTS 830.7520 Particle size, Fiber Length, and Diameter Distribution data is not required as Fludioxonil Technical is not water insoluble or fibrous. 40 CFR § 158.310 (e) (14)
- 12 OPPTS 830.7550 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 13 OPPTS 830.7560 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 14 OPPTS 830.7860 Water solubility data is addressed using the shake flask method (OPPTS 830.7840)
- 15 OPPTS 830.7950 Vapor pressure data is not required. Fludioxonil Technical is a solid powder at room temperature and is documented to have low vapor pressure.

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 835	GROUP A- LABORATORY TRANSPORT				
835.1110 – 835.1410 ✓		CITE-ALL	–	PAY	
	GROUP B- LABORATORY ABIOTIC TRANSFORMATION				
835.2120 – 835.2410 ✓		CITE-ALL	–	PAY	
	GROUP C- LABORATORY BIOLOGICAL TRANSFORMATION				
835.3100 – 835.3420 ✓		CITE-ALL	–	PAY	
	GROUP D- TRANSFORMATION IN WATER AND SOIL				
835.4100 – 835.4300 ✓		CITE-ALL	–	PAY	
	GROUP F- TRANSFORMATION IN WATER AND SOIL				
835.6100 ✓		CITE-ALL	–	PAY	

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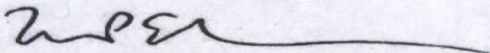
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Nufarm Limited C/O Nufarm Americas Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527	Product: Fludioxonil Technical	
Ingredient: Fludioxonil (PC Code 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 850	GROUP A- AQUATIC FAUNA				
850.1010 – 850.1950 ✓		CITE-ALL	--	PAY	
	GROUP B- TERRESTRIAL WILDLIFE				
850.2100 – 850.2500 ✓		CITE-ALL	--	PAY	
	GROUP C- BENEFICIAL INSECTS & INVERTEBRATES				
850.3020 – 850.3040 ✓		CITE-ALL	--	PAY	
	GROUP D- NONTARGET PLANTS				
850.4000 – 850.4800 ✓		CITE-ALL	--	PAY	
	GROUP E- TOXICITY TO MICROORGANISMS				
850.5100 – 850.5400 ✓		CITE-ALL	--	PAY	

Signature 	Name and Title Nathan P. Ehresman / Product Registration Manager	Date February 10, 2012
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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 860	RESIDUE CHEMISTRY				
860.1300 / 171-4a	Nature of the Residue- Plants (Cereals-Rice) ✓	43080050	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Cereals- Wheat) ✓	43143301	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato) ✓	43960410	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato) ✓	44703537	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Cotton) ✓	44554201 44554202	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Soybeans) ✓	44554203	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Lettuce) ✓	45821801	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Onions) ✓	44926101	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4b	Nature of the Residue-Livestock (Chicken) ✓	43470602 44382323	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock (Goat) ✓	43470601	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock ✓	43960413	SYNGENTA CROP PROTECTION (000100)	OLD	

Signature

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340 / 171-4c	Residue Plant Method and Validation ✓	43080051 43080052 43080054 43080055 43960411	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4c	Residue Plant Method and Validation ✓	44554204	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1340 / 171-4d	Residue Animal Method and Validation ✓	43960412	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Analytical Method (ILV) ✓	43960414	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Animal Method and Validation <i>new to this sub.</i> *	48526506 48526507	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1360 / 171-4m	Multiresidue Analytical Method ✓	43080053	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data ✓	43690403	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data ✓	44554205	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1380 / 171-e	Storage Stability Data ✓	44382332	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs) ✓	43960415	SYNGENTA CROP PROTECTION (000100)	OLD	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs) *	48526508	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Corn) ✓	43124110	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Corn) ✓	43960416			
860.1500 / 171-4k	Magnitude of the Residue RAC (Sorghum) ✓	43124111	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Sorghum) ✓				
860.1500 / 171-4k	Magnitude of the Residue RAC (Potato) ✓	43960417	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Potato) ✓	43960418			
860.1500 / 171-4k	Magnitude of the Residue RAC (Cotton) ✓	44490802	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Cotton) ✓				
860.1500 / 171-4k	Magnitude of the Residue RAC (Wheat) ✓	44554206	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Wheat) ✓	44715108			
860.1500 / 171-4k	Magnitude of the Residue RAC (Leaf lettuce) ✓	44554207	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Pea) ✓	44554208	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucumber) ✓	44554209	SYNGENTA CROP PROTECTION (000100)	PAY	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

February 10, 2012



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401 M Street, S.W.
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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Radish) ✓	44554210 47161104	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bulb vegetables) ✓	44615602	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Canola) ✓	44703528	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Canola) ✓	44703530			
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard) ✓	44703529	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Mustard) ✓				
860.1500 / 171-4k	Magnitude of the Residue RAC (Barley) ✓	44715105	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Barley) ✓				
860.1500 / 171-4k	Magnitude of the Residue RAC (Carrot) ✓	45682301 45682401 47169310	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli) ✓	45726001 45726101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens) ✓	45726002 45726102	IR-4 (959857)	PUBLIC	

Signature

[Handwritten signature]

Name and Title

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens) ✓	45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Basil) ✓	45795301 45795401	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Chives) ✓	45795302 45795402	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726102	IR-4 (959857)	PUBLIC	delete
860.1500 / 171-4k	Magnitude of the Residue RAC (Cabbage) ✓	45839801	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Head/Leaf Lettuce) ✓	45945001 46006701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, snap) ✓	46014701 46016701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, dry) ✓	46014702 46016702	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, succulent shelled) ✓	46014703 46016703	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Yam) ✓	46040103	IR-4 (959857)	PUBLIC	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Cantaloupe) ✓	46040104	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green) ✓	46196501	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green) ✓	46584601	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Tomato) ✓	47161101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Parsley) ✓	47161103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucurbits) ✓	47161106	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweetpotato) ✓	47161108	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Brassica) ✓	47169311	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweet corn, forage) ✓	47705120	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Field corn, forage, grain, fodder) ✓	47705122	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Pomegranate) ✓	46162302	IR-4 (959857)	PUBLIC	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Oranges, Grapefruits) ✓	46715501	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application lemons) ✓	46715502	SYNGENTA CROP PROTECTION (000100)	PAY	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500/171-4k	Magnitude of the Residue (Post harvest application Pomefruit) ✓	46715503	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Kiwi fruit) ✓	46715504	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Peach and Plum) ✓	46715505	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k	Magnitude of the Residue (Post harvest application Cherry) ✓	46715506	SYNGENTA CROP PROTECTION (000100)	PAY	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 870	GROUP A- ACUTE TOXICITY				
870.1100 – 830.2600 ✓		CITE-ALL	–	PAY	
	GROUP B- SUBCHRONIC TOXICITY				
870.3050 – 870.3800 ✓		CITE-ALL	–	PAY	
	GROUP C- CHRONIC TOXICITY				
870.4100 – 870.4300 ✓		CITE-ALL	–	PAY	
	GROUP D- GENETIC TOXICITY				
870.5100 – 870.5915 ✓		CITE-ALL	–	PAY	
	GROUP E- NEUROTOXICITY				
870.6100-870.6855 ✓		CITE-ALL	–	PAY	
	GROUP F- SPECIAL STUDIES				
870.7485 ✓		CITE-ALL	–	PAY	

Signature

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 875	GROUP A- APPLICATOR EXPOSURE MONITORING				
875.1100 – 875.1600 ✓		CITE-ALL	--	PAY	
	GROUP B- POSTAPPLICATION EXPOSURE MONITORING				
875.2100 – 875.2900 ✓		CITE-ALL	--	PAY	

Signature

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Nathan P. Ehresman / Product Registration Manager

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
LIST OF COMPANIES SENT OFFER TO PAY FOR USE OF CITE-ALL METHOD OF DATA SUPPORT					
	✓	CITE-ALL	SYNGENTA CROP PROTECTION, INC. / 000100	PAY	
	✓	CITE-ALL	OUTDOOR RESIDENTIAL EXPOSURE TASK FORCE, L.L.C. / 071754	OWN	1
	✓	CITE-ALL	WHITMIRE MICRO-GEN RESEARCH LABORATORIES, INC. / 000499	PAY	
	✓	CITE-ALL	FIFRA ENDANGERED SPECIES TASK FORCE, L.L.C. / 073989	OWN	1
	✓	CITE-ALL	AGRICULTURAL REENTRY TASK FORCE / 071755	OWN	1
	✓	CITE-ALL	AGRICULTURAL HANDLERS EXPOSURE TASK FORCE / 075234	OWN	1
	✓	CITE-ALL	SPRAY DRIFT TASK FORCE / 066607	OWN	1

FOOTNOTES:

1 Nufarm Limited is a member of this task force.

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

February 10, 2012



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DATA MATRIX

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Nufarm Limited C/O Nufarm Americas Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527	Product: Fludioxonil Technical	
Ingredient: Fludioxonil (PC Code 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 830	GROUP A- PRODUCT IDENTITY, COMPOSITION & ANALYSIS				
830.1550 -	Product identity and composition 484 24001 →	This submission	Nufarm Limited (035935)	Own	
830.1600 -	Description of materials used to produce the product →	This submission	Nufarm Limited (035935)	Own	
830.1620	Description of production process →	This submission	Nufarm Limited (035935)	Own	
830.1650 -	Description of formulation process	--	--	N/A	1
830.1670 -	Discussion of formation of impurities →	This submission	Nufarm Limited (035935)	Own	
830.1700 -	Preliminary analysis	This submission	Nufarm Limited (035935)	Own	
830.1750 -	Certified limits 484 24002 →	This submission	Nufarm Limited (035935)	Own	
830.1800 - -	Enforcement analytical method →	This submission	Nufarm Limited (035935)	Own	
830.1900	Submittal of samples	--	--	N/A	2
	GROUP B- PHYSICAL/CHEMICAL PROPERTIES				
830.6302	Color	This submission	Nufarm Limited (035935)	Own	
830.6303	Physical state 484 24003 →	This submission	Nufarm Limited (035935)	Own	
830.6304	Odor	This submission	Nufarm Limited (035935)	Own	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	This submission	Nufarm Limited (035935)	Own	

Signature 	Name and Title Nathan P. Ehresman / Product Registration Manager	Date January 12, 2012
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1st Submission: Not Acceptable



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Nufarm Limited
C/O Nufarm Americas Inc.
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Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.6314	Oxidation/reduction: chemical incompatibility	This submission	Nufarm Limited (035935)	Own	
830.6315	Flammability	--	--	N/A	3
830.6316	Explosibility	--	--	N/A	4
830.6317	Storage stability	--	--	N/A	5
830.6319	Miscibility	--	--	N/A	6
830.6320	Corrosion characteristics	--	--	N/A	7
830.6321	Dielectric breakdown voltage	--	--	N/A	8
830.7000	pH	This submission	Nufarm Limited (035935)	Own	
830.7050	UV/Visible absorption	This submission	Nufarm Limited (035935)	Own	
830.7100	Viscosity	--	--	N/A	9
830.7200	Melting point/melting range	This submission	Nufarm Limited (035935)	Own	
830.7220	Boiling point/boiling range	--	--	N/A	10
830.7300	Density/relative density/bulk density	This submission	Nufarm Limited (035935)	Own	
830.7370	Dissociation constants in water	This submission	Nufarm Limited (035935)	Own	
830.7520	Particle size, fiber length, and diameter distribution	--	--	N/A	11
830.7550	Partition coefficient (n-octanol/water), shake flask method	--	--	N/A	12

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

January 12, 2012



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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.7560	Partition coefficient (n-octanol/water), generator column method	--	--	N/A	13
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	This submission	Nufarm Limited (035935)	Own	
830.7840	Water solubility: column elution method; shake flask method	This submission	Nufarm Limited (035935)	Own	
830.7860	Water solubility: generator column method	--	--	N/A	14
830.7950	Vapor pressure		Nufarm Limited (035935)	Own	

Footnotes:

- 1 OPPTS 830.1650 Description of Formulation Process data are not required since Fludioxonil Technical is a technical grade active ingredient and is produced by an integrated process. 40 CFR § 158.310 (e) (3)
- 2 OPPTS 830.1900 Submittal of samples data is not required since a sample of Fludioxonil (PAI) has been provided by the Basic manufacturer. 40 CFR § 158.310 (e) (9.11)
- 3 OPPTS 830.6315 Flammability data are not required since Fludioxonil Technical contains no combustible liquids. 40 CFR § 158.310 (e) (14)
- 4 OPPTS 830.6316 Explodability data are not required as Fludioxonil Technical is not potentially explosive 40 CFR § 158.310 (e) (15)
- 5 OPPTS 830.6317 Storage Stability data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 6 OPPTS 830.6319 Miscibility data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 7 OPPTS 830.6320 Corrosion Characteristics data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 8 OPPTS 830.6321 Dielectric Breakdown Voltage data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 9 OPPTS 830.7100 Viscosity data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 10 OPPTS 830.7220 Boiling Point/Boiling Range data are not required as Fludioxonil Technical is not a liquid at room temperature. 40 CFR § 158.310 (e) (21)
- 11 OPPTS 830.7520 Particle size, Fiber Length, and Diameter Distribution data is not required as Fludioxonil Technical is not water insoluble or fibrous. 40 CFR § 158.310 (e) (14)
- 12 OPPTS 830.7550 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 13 OPPTS 830.7560 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 14 OPPTS 830.7860 Water solubility data is addressed using the shake flask method (OPPTS 830.7840)
- 15 OPPTS 830.7950 Vapor pressure data is not required. Fludioxonil Technical is a solid powder at room temperature and is documented to have low vapor pressure.

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 835	GROUP A- LABORATORY TRANSPORT				
835.1110 – 835.1410 ✓		CITE-ALL	–	PAY	
	GROUP B- LABORATORY ABIOTIC TRANSFORMATION				
835.2120 – 835.2410 ✓		CITE-ALL	–	PAY	
	GROUP C- LABORATORY BIOLOGICAL TRANSFORMATION				
835.3100 – 835.3420 ✓		CITE-ALL	–	PAY	
	GROUP D- TRANSFORMATION IN WATER AND SOIL				
835.4100 – 835.4300 ✓		CITE-ALL	–	PAY	
	GROUP F- TRANSFORMATION IN WATER AND SOIL				
835.6100 ✓		CITE-ALL	–	PAY	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

January 12, 2012



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Date: January 12, 2012

EPA Reg. No./File Symbol: 35935-02

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 850	GROUP A- AQUATIC FAUNA				
850.1010 – 850.1950 ✓		CITE-ALL	–	PAY	
	GROUP B- TERRESTRIAL WILDLIFE				
850.2100 – 850.2500 ✓		CITE-ALL	–	PAY	
	GROUP C- BENEFICIAL INSECTS & INVERTEBRATES				
850.3020 – 850.3040 ✓		CITE-ALL	–	PAY	
	GROUP D- NONTARGET PLANTS				
850.4000 – 850.4800 ✓		CITE-ALL	–	PAY	
	GROUP E- TOXICITY TO MICROORGANISMS				
850.5100 – 850.5400 ✓		CITE-ALL	–	PAY	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

January 12, 2012



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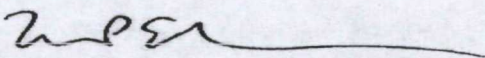
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Nufarm Limited C/O Nufarm Americas Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527	Product: Fludioxonil Technical	
Ingredient: Fludioxonil (PC Code 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 860	RESIDUE CHEMISTRY				
860.1300 / 171-4a	Nature of the Residue- Plants (Cereals-Rice) ✓	43080050	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Cereals- Wheat) ✓	43143301	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato) ✓	43960410	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato) ✓	44703537	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Cotton) ✓	44554201 44554202	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Soybeans) ✓	44554203	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Lettuce) ✓	45821801	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Onions) ✓	44926101	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4b	Nature of the Residue-Livestock (Chicken) ✓	43470602 44382323	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock (Goat) ✓	43470601	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock ✓	43960413	SYNGENTA CROP PROTECTION (000100)	OLD	

Signature 	Name and Title Nathan P. Ehresman / Product Registration Manager	Date January 12, 2012
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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340 / 171-4c	Residue Plant Method and Validation ✓	43080051 43080052 43080054 43080055 43960411	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4c	Residue Plant Method and Validation ✓	44554204	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1340 / 171-4d	Residue Animal Method and Validation ✓	43960412	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Analytical Method (ILV) ✓	43960414	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d ✓	Residue Animal Method and Validation <i>+ this submission</i> ✓	48526506 48526507	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1360 / 171-4m	Multiresidue Analytical Method ✓	43080053	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data ✓	43690403	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data ✓	44554205	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1380 / 171-e	Storage Stability Data ✓	44382332	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs) ✓	43960415	SYNGENTA CROP PROTECTION (000100)	OLD	

Signature

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1480 / 171-4j ✓	Magnitude of the Residue (Meat/Milk/Poultry/Eggs) ✓	48526508	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k ✓	Magnitude of the Residue RAC (Corn) ✓	43124110	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l ✓	Magnitude of the Residue PF (Corn) ✓	43960416			
860.1500 / 171-4k ✓	Magnitude of the Residue RAC (Sorghum) ✓	43124111	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l ✓	Magnitude of the Residue PF (Sorghum) ✓				
860.1500 / 171-4k ✓	Magnitude of the Residue RAC (Potato) ✓	43960417	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l ✓	Magnitude of the Residue PF (Potato) ✓	43960418			
860.1500 / 171-4k ✓	Magnitude of the Residue RAC (Cotton) ✓	44490802	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l ✓	Magnitude of the Residue PF (Cotton) ✓				
860.1500 / 171-4k ✓	Magnitude of the Residue RAC (Wheat) ✓	44554206	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l ✓	Magnitude of the Residue PF (Wheat) ✓	44715108			
860.1500 / 171-4k ✓	Magnitude of the Residue RAC (Leaf lettuce) ✓	44554207	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k ✓	Magnitude of the Residue RAC (Pea) ✓	44554208	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k ✓	Magnitude of the Residue RAC (Cucumber) ✓	44554209	SYNGENTA CROP PROTECTION (000100)	PAY	

Signature

Nathan P. Ehresman

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Radish) ✓	44554210 47161104	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bulb vegetables) ✓	44615602	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Canola) ✓	44703528	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Canola) ✓	44703530			
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard) ✓	44703529	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Mustard) ✓				
860.1500 / 171-4k	Magnitude of the Residue RAC (Barley) ✓	44715105	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Barley) ✓				
860.1500 / 171-4k	Magnitude of the Residue RAC (Carrot) ✓	45682301 45682401 47169310	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli) ✓	45726001	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens) ✓	45726002 45726102	IR-4 (959857)	PUBLIC	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

January 12, 2012

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli) ✓	45726001 45726101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens) ✓	45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Basil) ✓	45795301 45795401	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Chives) ✓	45795302 45795402	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens) ✓	45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cabbage) ✓	45839801	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Head/Leaf Lettuce) ✓	45945001 46006701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, snap) ✓	46014701 46016701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, dry) ✓	46014702 46016702	IR-4 (959857)	PUBLIC	

Signature

Name and Title

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Date

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, succulent shelled) ✓	46014703 46016703	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Yam) ✓	46040103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cantaloupe) ✓	46040104	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green) ✓	46196501	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green) ✓	46584601	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Tomato) ✓	47161101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Parsley) ✓	47161103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucurbits) ✓	47161106	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweetpotato) ✓	47161108	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Brassica) ✓	47169311	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweet corn, forage) ✓	47705120	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Field corn, forage, grain, fodder) ✓	47705122	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k ✓	Magnitude of the Residue (Post harvest application Oranges, Grapefruits)	46715501	SYNGENTA CROP PROTECTION (000100)	PAY	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

January 12, 2012

representative commodities for crop group 10



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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500/171-4k ✓	Magnitude of the Residue (Post harvest application lemons) <i>Rep. Com. for C.G. 10</i>	46715502	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k ✓	Magnitude of the Residue (Post harvest application Pomefruit) <i>? Apple & Pear ok for 11?</i>	46715503	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k ✓	Magnitude of the Residue (Post harvest application Kiwi fruit) ✓	46715504	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k ✓	Magnitude of the Residue (Post harvest application Peach and Plum) <i>Rep. Com. for C.G. 12</i>	46715505	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500/171-4k ✓	Magnitude of the Residue (Post harvest application Cherry) <i>Rep. Com. for C.G. 12</i>	46715506	SYNGENTA CROP PROTECTION (000100)	PAY	

Pomegranate?

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 870	GROUP A- ACUTE TOXICITY				
870.1100 – 830.2600 ✓		CITE-ALL	–	PAY	
	GROUP B- SUBCHRONIC TOXICITY				
870.3050 – 870.3800 ✓		CITE-ALL	–	PAY	
	GROUP C- CHRONIC TOXICITY				
870.4100 – 870.4300 ✓		CITE-ALL	–	PAY	
	GROUP D- GENETIC TOXICITY				
870.5100 – 870.5915 ✓		CITE-ALL	–	PAY	
	GROUP E- NEUROTOXICITY				
870.6100-870.6855 ✓		CITE-ALL	–	PAY	
	GROUP F- SPECIAL STUDIES				
870.7485 ✓		CITE-ALL	–	PAY	

Signature

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 875	GROUP A- APPLICATOR EXPOSURE MONITORING				
875.1100 – 875.1600 ✓		CITE-ALL	--	PAY	
	GROUP B- POSTAPPLICATION EXPOSURE MONITORING				
875.2100 – 875.2900 ✓		CITE-ALL	--	PAY	

Signature

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Nathan P. Ehresman / Product Registration Manager

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 830	GROUP A- PRODUCT IDENTITY, COMPOSITION & ANALYSIS				
830.1550	Product identity and composition	This submission	Nufarm Limited (035935)	Own	
830.1600	Description of materials used to produce the product	This submission	Nufarm Limited (035935)	Own	
830.1620	Description of production process	This submission	Nufarm Limited (035935)	Own	
830.1650	Description of formulation process	--	--	N/A	1
830.1670	Discussion of formation of impurities	This submission	Nufarm Limited (035935)	Own	
830.1700	Preliminary analysis	This submission	Nufarm Limited (035935)	Own	
830.1750	Certified limits	This submission	Nufarm Limited (035935)	Own	
830.1800	Enforcement analytical method	This submission	Nufarm Limited (035935)	Own	
830.1900	Submittal of samples	--	--	N/A	2
	GROUP B- PHYSICAL/CHEMICAL PROPERTIES				
830.6302	Color	This submission	Nufarm Limited (035935)	Own	
830.6303	Physical state	This submission	Nufarm Limited (035935)	Own	
830.6304	Odor	This submission	Nufarm Limited (035935)	Own	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	This submission	Nufarm Limited (035935)	Own	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

September 22, 2011



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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.6314	Oxidation/reduction: chemical incompatibility	This submission	Nufarm Limited (035935)	Own	
830.6315	Flammability	--	--	N/A	3
830.6316	Explosibility	--	--	N/A	4
830.6317	Storage stability	--	--	N/A	5
830.6319	Miscibility	--	--	N/A	6
830.6320	Corrosion characteristics	--	--	N/A	7
830.6321	Dielectric breakdown voltage	--	--	N/A	8
830.7000	pH	This submission	Nufarm Limited (035935)	Own	
830.7050	UV/Visible absorption	This submission	Nufarm Limited (035935)	Own	
830.7100	Viscosity	--	--	N/A	9
830.7200	Melting point/melting range	This submission	Nufarm Limited (035935)	Own	
830.7220	Boiling point/boiling range	--	--	N/A	10
830.7300	Density/relative density/bulk density	This submission	Nufarm Limited (035935)	Own	
830.7370	Dissociation constants in water	This submission	Nufarm Limited (035935)	Own	
830.7520	Particle size, fiber length, and diameter distribution	--	--	N/A	11
830.7550	Partition coefficient (n-octanol/water), shake flask method	--	--	N/A	12

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

September 22, 2011



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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.7560	Partition coefficient (n-octanol/water), generator column method	--	--	N/A	13
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	This submission	Nufarm Limited (035935)	Own	
830.7840	Water solubility: column elution method; shake flask method	This submission	Nufarm Limited (035935)	Own	
830.7860	Water solubility: generator column method	--	--	N/A	14
830.7950	Vapor pressure		Nufarm Limited (035935)	Own	

Footnotes:

- 1 OPPTS 830.1650 Description of Formulation Process data are not required since Fludioxonil Technical is a technical grade active ingredient and is produced by an integrated process. 40 CFR § 158.310 (e) (3)
- 2 OPPTS 830.1900 Submittal of samples data is not required since a sample of Fludioxonil (PAI) has been provided by the Basic manufacturer. 40 CFR § 158.310 (e) (9.11)
- 3 OPPTS 830.6315 Flammability data are not required since Fludioxonil Technical contains no combustible liquids. 40 CFR § 158.310 (e) (14)
- 4 OPPTS 830.6316 Explodability data are not required as Fludioxonil Technical is not potentially explosive 40 CFR § 158.310 (e) (15)
- 5 OPPTS 830.6317 Storage Stability data are not required as Fludioxonil Technical is a TGAI. 40 CFR § 158.310 (e)
- 6 OPPTS 830.6319 Miscibility data are not required as Fludioxonil Technical is a TGAI. 40 CFR § 158.310 (e)
- 7 OPPTS 830.6320 Corrosion Characteristics data are not required as Fludioxonil Technical is a TGAI. 40 CFR § 158.310 (e)
- 8 OPPTS 830.6321 Dielectric Breakdown Voltage data are not required as Fludioxonil Technical is a TGAI. 40 CFR § 158.310 (e)
- 9 OPPTS 830.7100 Viscosity data are not required as Fludioxonil Technical is a TGAI. 40 CFR § 158.310 (e)
- 10 OPPTS 830.7220 Boiling Point/Boiling Range data are not required as Fludioxonil Technical is not a liquid at room temperature. 40 CFR § 158.310 (e) (21)
- 11 OPPTS 830.7520 Particle size, Fiber Length, and Diameter Distribution data is not required as Fludioxonil Technical is not water insoluble or fibrous. 40 CFR § 158.310 (e) (14)
- 12 OPPTS 830.7550 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 13 OPPTS 830.7560 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 14 OPPTS 830.7860 Water solubility data is addressed using the shake flask method (OPPTS 830.7840)
- 15 OPPTS 830.7950 Vapor pressure data is not required. Fludioxonil Technical is a solid powder at room temperature and is documented to have low vapor pressure.

Signature

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 835	GROUP A- LABORATORY TRANSPORT				
835.1110 – 835.1410		CITE-ALL	–	PAY	
	GROUP B- LABORATORY ABIOTIC TRANSFORMATION				
835.2120 – 835.2410		CITE-ALL	–	PAY	
	GROUP C- LABORATORY BIOLOGICAL TRANSFORMATION				
835.3100 – 835.3420		CITE-ALL	–	PAY	
	GROUP D- TRANSFORMATION IN WATER AND SOIL				
835.4100 – 835.4300		CITE-ALL	–	PAY	
	GROUP F- TRANSFORMATION IN WATER AND SOIL				
835.6100		CITE-ALL	–	PAY	

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Nufarm Limited
C/O Nufarm Americas Inc.
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 850	GROUP A- AQUATIC FAUNA				
850.1010 – 850.1950		CITE-ALL	–	PAY	
	GROUP B- TERRESTRIAL WILDLIFE				
850.2100 – 850.2500		CITE-ALL	–	PAY	
	GROUP C- BENEFICIAL INSECTS & INVERTEBRATES				
850.3020 – 850.3040		CITE-ALL	–	PAY	
	GROUP D- NONTARGET PLANTS				
850.4000 – 850.4800		CITE-ALL	–	PAY	
	GROUP E- TOXICITY TO MICROORGANISMS				
850.5100 – 850.5400		CITE-ALL	–	PAY	

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Nufarm Limited
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 860	RESIDUE CHEMISTRY				
860.1300 / 171-4a	Nature of the Residue- Plants (Cereals-Rice)	43080050	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Cereals- Wheat)	43143301	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	43960410	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	44703537	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Cotton)	44554201 44554202	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Soybeans)	44554203	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Lettuce)	45821801	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Onions)	44926101	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4b	Nature of the Residue-Livestock (Chicken)	43470602 44382323	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock (Goat)	43470601	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock	43960413	SYNGENTA CROP PROTECTION (000100)	OLD	

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Nufarm Limited
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340 / 171-4c	Residue Plant Method and Validation	43080051 43080052 43080054 43080055 43960411	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4c	Residue Plant Method and Validation	44554204	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1340 / 171-4d	Residue Animal Method and Validation	43960412	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Analytical Method (ILV)	43960414	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1360 / 171-4m	Multiresidue Analytical Method	43080053	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	43690403	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	44554205	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1380 / 171-e	Storage Stability Data	44382332	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs)	43960415	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1500 / 171-4k	Magnitude of the Residue RAC (Corn)	43124110	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Corn)	43960416			

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Sorghum)	43124111	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Sorghum)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Potato)	43960417	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Potato)	43960418			
860.1500 / 171-4k	Magnitude of the Residue RAC (Cotton)	44490802	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Cotton)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Wheat)	44554206	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Wheat)	44715108			
860.1500 / 171-4k	Magnitude of the Residue RAC (Leaf lettuce)	44554207	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Pea)	44554208	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucumber)	44554209	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Radish)	44554210 47161104	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bulb vegetables)	44615602	SYNGENTA CROP PROTECTION (000100)	PAY	

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150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Canola)	44703528	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Canola)	44703530			
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard)	44703529	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Mustard)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Barley)	44715105	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Barley)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Carrot)	45682301 45682401 47169310	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli)	45726001	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726002 45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli)	45726001 45726101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726102	IR-4 (959857)	PUBLIC	

Signature

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Nufarm Limited
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150 Harvester Drive, Suite 200
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Basil)	45795301 45795401	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Chives)	45795302 45795402	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cabbage)	45839801	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Head/Leaf Lettuce)	45945001 46006701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, snap)	46014701 46016701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, dry)	46014702 46016702	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, succulent shelled)	46014703 46016703	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Yam)	46040103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cantaloupe)	46040104	IR-4 (959857)	PUBLIC	

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150 Harvester Drive, Suite 200
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46196501	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46584601	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Tomato)	47161101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Parsley)	47161103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucurbits)	47161106	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweetpotato)	47161108	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Brassica)	47169311	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweet corn, forage)	47705120	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Field corn, forage, grain, fodder)	47705122	SYNGENTA CROP PROTECTION (000100)	PAY	

Signature

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 870	GROUP A- ACUTE TOXICITY				
870.1100 – 830.2600		CITE-ALL	–	PAY	
	GROUP B- SUBCHRONIC TOXICITY				
870.3050 – 870.3800		CITE-ALL	–	PAY	
	GROUP C- CHRONIC TOXICITY				
870.4100 – 870.4300		CITE-ALL	–	PAY	
	GROUP D- GENETIC TOXICITY				
870.5100 – 870.5915		CITE-ALL	–	PAY	
	GROUP E- NEUROTOXICITY				
870.6100-870.6855		CITE-ALL	–	PAY	
	GROUP F- SPECIAL STUDIES				
870.7485		CITE-ALL	–	PAY	

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 875	GROUP A- APPLICATOR EXPOSURE MONITORING				
875.1100 – 875.1600		CITE-ALL	–	PAY	
	GROUP B- POSTAPPLICATION EXPOSURE MONITORING				
875.2100 – 875.2900		CITE-ALL	–	PAY	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
LIST OF COMPANIES SENT OFFER TO PAY FOR USE OF CITE-ALL METHOD OF DATA SUPPORT					
		CITE-ALL	SYNGENTA CROP PROTECTION, INC. / 000100	PAY	
		CITE-ALL	OUTDOOR RESIDENTIAL EXPOSURE TASK FORCE, L.L.C. / 071754	OWN	1
		CITE-ALL	WHITMIRE MICRO-GEN RESEARCH LABORATORIES, INC. / 000499	PAY	
		CITE-ALL	FIFRA ENDANGERED SPECIES TASK FORCE, L.L.C. / 073989	OWN	1
		CITE-ALL	AGRICULTURAL REENTRY TASK FORCE / 071755	OWN	1
		CITE-ALL	AGRICULTURAL HANDLERS EXPOSURE TASK FORCE / 075234	OWN	1
		CITE-ALL	SPRAY DRIFT TASK FORCE / 066607	OWN	1

FOOTNOTES:

1 Nufarm Limited is a member of this task force.

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 830	GROUP A- PRODUCT IDENTITY, COMPOSITION & ANALYSIS				
830.1550	Product identity and composition	This submission	Nufarm Limited (035935)	Own	
830.1600	Description of materials used to produce the product	This submission	Nufarm Limited (035935)	Own	
830.1620	Description of production process	This submission	Nufarm Limited (035935)	Own	
830.1650	Description of formulation process	--	--	N/A	1
830.1670	Discussion of formation of impurities	This submission	Nufarm Limited (035935)	Own	
830.1700	Preliminary analysis	This submission	Nufarm Limited (035935)	Own	
830.1750	Certified limits	This submission	Nufarm Limited (035935)	Own	
830.1800	Enforcement analytical method	This submission	Nufarm Limited (035935)	Own	
830.1900	Submittal of samples	--	--	N/A	2
	GROUP B- PHYSICAL/CHEMICAL PROPERTIES				
830.6302	Color	This submission	Nufarm Limited (035935)	Own	
830.6303	Physical state	This submission	Nufarm Limited (035935)	Own	
830.6304	Odor	This submission	Nufarm Limited (035935)	Own	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	This submission	Nufarm Limited (035935)	Own	

Signature

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

[illegible]

Signature _____

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Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.6314	Oxidation/reduction: chemical incompatibility	This submission	Nufarm Limited (035935)	Own	
830.6315	Flammability	--	--	N/A	3
830.6316	Explosibility	--	--	N/A	4
830.6317	Storage stability	--	--	N/A	5
830.6319	Miscibility	--	--	N/A	6
830.6320	Corrosion characteristics	--	--	N/A	7
830.6321	Dielectric breakdown voltage	--	--	N/A	8
830.7000	pH	This submission	Nufarm Limited (035935)	Own	
830.7050	UV/Visible absorption	This submission	Nufarm Limited (035935)	Own	
830.7100	Viscosity	--	--	N/A	9
830.7200	Melting point/melting range	This submission	Nufarm Limited (035935)	Own	
830.7220	Boiling point/boiling range	--	--	N/A	10
830.7300	Density/relative density/bulk density	This submission	Nufarm Limited (035935)	Own	
830.7370	Dissociation constants in water	This submission	Nufarm Limited (035935)	Own	
830.7520	Particle size, fiber length, and diameter distribution	--	--	N/A	11
830.7550	Partition coefficient (n-octanol/water), shake flask method	--	--	N/A	12

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C/O Nufarm Americas Inc.
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

830.7560	Partition coefficient (n-octanol/water), generator column method	--	--	N/A	13
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	This submission	Nufarm Limited (035935)	Own	
830.7840	Water solubility: column elution method; shake flask method	This submission	Nufarm Limited (035935)	Own	
830.7860	Water solubility: generator column method	--	--	N/A	14
830.7950	Vapor pressure		Nufarm Limited (035935)	Own	

Footnotes:

- 1 OPPTS 830.1650 Description of Formulation Process data are not required since Fludioxonil Technical is a technical grade active ingredient and is produced by an integrated process. 40 CFR § 158.310 (e) (3)
- 2 OPPTS 830.1900 Submittal of samples data is not required since a sample of Fludioxonil (PAI) has been provided by the Basic manufacturer. 40 CFR § 158.310 (e) (9.11)
- 3 OPPTS 830.6315 Flammability data are not required since Fludioxonil Technical contains no combustible liquids. 40 CFR § 158.310 (e) (14)
- 4 OPPTS 830.6316 Explodability data are not required as Fludioxonil Technical is not potentially explosive 40 CFR § 158.310 (e) (15)
- 5 OPPTS 830.6317 Storage Stability data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 6 OPPTS 830.6319 Miscibility data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 7 OPPTS 830.6320 Corrosion Characteristics data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 8 OPPTS 830.6321 Dielectric Breakdown Voltage data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 9 OPPTS 830.7100 Viscosity data are not required as Fludioxonil Technical is a TGA. 40 CFR § 158.310 (e)
- 10 OPPTS 830.7220 Boiling Point/Boiling Range data are not required as Fludioxonil Technical is not a liquid at room temperature. 40 CFR § 158.310 (e) (21)
- 11 OPPTS 830.7520 Particle size, Fiber Length, and Diameter Distribution data is not required as Fludioxonil Technical is not water insoluble or fibrous. 40 CFR § 158.310 (e) (14)
- 12 OPPTS 830.7550 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 13 OPPTS 830.7560 Partition Coefficient data is addressed using the liquid chromatography method (OPPTS 830.7570)
- 14 OPPTS 830.7860 Water solubility data is addressed using the shake flask method (OPPTS 830.7840)
- 15 OPPTS 830.7950 Vapor pressure data is not required. Fludioxonil Technical is a solid powder at room temperature and is documented to have low vapor pressure.

Signature

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Nufarm Limited
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 835	GROUP A- LABORATORY TRANSPORT				
835.1110 – 835.1410		CITE-ALL	–	PAY	
	GROUP B- LABORATORY ABIOTIC TRANSFORMATION				
835.2120 – 835.2410		CITE-ALL	–	PAY	
	GROUP C- LABORATORY BIOLOGICAL TRANSFORMATION				
835.3100 – 835.3420		CITE-ALL	–	PAY	
	GROUP D- TRANSFORMATION IN WATER AND SOIL				
835.4100 – 835.4300		CITE-ALL	–	PAY	
	GROUP F- TRANSFORMATION IN WATER AND SOIL				
835.6100		CITE-ALL	–	PAY	

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 850	GROUP A- AQUATIC FAUNA				
850.1010 – 850.1950		CITE-ALL	--	PAY	
	GROUP B- TERRESTRIAL WILDLIFE				
850.2100 – 850.2500		CITE-ALL	--	PAY	
	GROUP C- BENEFICIAL INSECTS & INVERTEBRATES				
850.3020 – 850.3040		CITE-ALL	--	PAY	
	GROUP D- NONTARGET PLANTS				
850.4000 – 850.4800		CITE-ALL	--	PAY	
	GROUP E- TOXICITY TO MICROORGANISMS				
850.5100 – 850.5400		CITE-ALL	--	PAY	

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Nufarm Limited
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150 Harvester Drive, Suite 200
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 860	RESIDUE CHEMISTRY				
860.1300 / 171-4a	Nature of the Residue- Plants (Cereals-Rice)	43080050	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Cereals- Wheat)	43143301	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	43960410	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4a	Nature of the Residue-Plants (Potato)	44703537	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Cotton)	44554201 44554202	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Soybeans)	44554203	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Lettuce)	45821801	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4a	Nature of the Residue-Plants (Onions)	44926101	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1300 / 171-4b	Nature of the Residue-Livestock (Chicken)	43470602 44382323	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock (Goat)	43470601	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1300 / 171-4b	Nature of the Residue-Livestock	43960413	SYNGENTA CROP PROTECTION (000100)	OLD	

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340 / 171-4c	Residue Plant Method and Validation	43080051 43080052 43080054 43080055 43960411	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4c	Residue Plant Method and Validation	44554204	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1340 / 171-4d	Residue Animal Method and Validation	43960412	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1340 / 171-4d	Residue Analytical Method (ILV)	43960414	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1360 / 171-4m	Multiresidue Analytical Method	43080053	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	43690403	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1380 / 171-e	Storage Stability Data	44554205	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1480 / 171-4j	Magnitude of the Residue (Meat/Milk/Poultry/Eggs)	43960415	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1500 / 171-4k	Magnitude of the Residue RAC (Corn)	43124110	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Corn)	43960416			

Signature

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Nufarm Limited
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150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Sorghum)	43124111	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Sorghum)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Potato)	43960417	SYNGENTA CROP PROTECTION (000100)	OLD	
860.1520 / 171-4l	Magnitude of the Residue PF (Potato)	43960418			
860.1500 / 171-4k	Magnitude of the Residue RAC (Cotton)	44490802	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Cotton)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Wheat)	44554206	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Wheat)	44715108			
860.1500 / 171-4k	Magnitude of the Residue RAC (Leaf lettuce)	44554207	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Pea)	44554208	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucumber)	44554209	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Radish)	44554210 47161104	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bulb vegetables)	44615602	SYNGENTA CROP PROTECTION (000100)	PAY	

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Canola)	44703528	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Canola)	44703530			
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard)	44703529	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Mustard)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Barley)	44715105	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1520 / 171-4l	Magnitude of the Residue PF (Barley)				
860.1500 / 171-4k	Magnitude of the Residue RAC (Carrot)	45682301 45682401 47169310	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli)	45726001	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726002 45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Broccoli)	45726001 45726101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726102	IR-4 (959857)	PUBLIC	

Signature

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WASHINGTON, D.C. 20460

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DATA MATRIX

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Nufarm Limited
C/O Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Basil)	45795301 45795401	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Chives)	45795302 45795402	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Mustard greens)	45726102	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cabbage)	45839801	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Head/Leaf Lettuce)	45945001 46006701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, snap)	46014701 46016701	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, dry)	46014702 46016702	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Bean, succulent shelled)	46014703 46016703	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Yam)	46040103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cantaloupe)	46040104	IR-4 (959857)	PUBLIC	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

March 15, 2011



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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46196501	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Onion, dry / green)	46584601	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Tomato)	47161101	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Parsley)	47161103	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Cucurbits)	47161106	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweetpotato)	47161108	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Brassica)	47169311	IR-4 (959857)	PUBLIC	
860.1500 / 171-4k	Magnitude of the Residue RAC (Sweet corn, forage)	47705120	SYNGENTA CROP PROTECTION (000100)	PAY	
860.1500 / 171-4k	Magnitude of the Residue RAC (Field corn, forage, grain, fodder)	47705122	SYNGENTA CROP PROTECTION (000100)	PAY	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

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Nufarm Limited
C/O Nufarm Americas Inc.
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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 870	GROUP A- ACUTE TOXICITY				
870.1100 – 830.2600		CITE-ALL	--	PAY	
	GROUP B- SUBCHRONIC TOXICITY				
870.3050 – 870.3800		CITE-ALL	--	PAY	
	GROUP C- CHRONIC TOXICITY				
870.4100 – 870.4300		CITE-ALL	--	PAY	
	GROUP D- GENETIC TOXICITY				
870.5100 – 870.5915		CITE-ALL	--	PAY	
	GROUP E- NEUROTOXICITY				
870.6100-870.6855		CITE-ALL	--	PAY	
	GROUP F- SPECIAL STUDIES				
870.7485		CITE-ALL	--	PAY	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS SERIES 875	GROUP A- APPLICATOR EXPOSURE MONITORING				
875.1100 – 875.1600		CITE-ALL	--	PAY	
	GROUP B- POSTAPPLICATION EXPOSURE MONITORING				
875.2100 – 875.2900		CITE-ALL	--	PAY	

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

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Product: Fludioxonil Technical

Ingredient: Fludioxonil (PC Code 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
LIST OF COMPANIES SENT OFFER TO PAY FOR USE OF CITE-ALL METHOD OF DATA SUPPORT					
		CITE-ALL	SYNGENTA CROP PROTECTION, INC. / 000100	PAY	
		CITE-ALL	OUTDOOR RESIDENTIAL EXPOSURE TASK FORCE, L.L.C. / 071754	OWN	1
		CITE-ALL	WHITMIRE MICRO-GEN RESEARCH LABORATORIES, INC. / 000499	PAY	
		CITE-ALL	FIFRA ENDANGERED SPECIES TASK FORCE, L.L.C. / 073989	OWN	1
		CITE-ALL	AGRICULTURAL REENTRY TASK FORCE / 071755	OWN	1
		CITE-ALL	AGRICULTURAL HANDLERS EXPOSURE TASK FORCE / 075234	OWN	1
		CITE-ALL	SPRAY DRIFT TASK FORCE / 066607	OWN	1

FOOTNOTES:

1 Nufarm Limited is a member of this task force.

Signature

Name and Title

Nathan P. Ehresman / Product Registration Manager

Date

March 15, 2011